

REMARKS

Claims 1-20 are pending in this application. By this Amendment, claims 1-4 and 8 are amended and new claims 14-20 are added. Various amendments are made to the claims for clarity and are unrelated to issues of patentability.

The Office Action rejects claims 1-3 and 5-13 under 35 U.S.C. §102(e) by U.S. Patent 6,526,027 to Yeom. The Office Action also rejects claim 4 under 35 U.S.C. §103(a) over Yeom in view of U.S. Patent 6,754,229 to Islam et al. (hereafter Islam). The rejections are respectfully traversed with respect to the pending claims.

Independent claim 1 recites determining whether a total length of overhead messages and data messages exceeds one slot, and transmitting data messages while transmitting the overhead messages after delaying one of the overhead messages and the data messages by a predetermined period on a corresponding slot, if the total length of the overhead messages and the data messages exceeds one slot when the overhead messages are transmitted at a constant overhead message transmission period.

Yeom does not teach or suggest all these features of independent claim 1. Yeom merely determines whether both paging information and broadcast short message information are simultaneously received at a base station. See block ST1 in Figure 3a. Yeom also discusses determining whether there are any unoccupied paging channels in block ST11. However, Yeom does not teach or suggest determining whether a total length of overhead messages and data messages exceeds one slot as recited in independent claim 1. The Office Action references

Yeom's column 2, lines 16-18, column 5, lines 15-33; and Figures 2a-2c. However, these features do not relate to determining whether a total length of overhead messages and data messages exceeds one slot in combination with transmitting data messages and delaying one of the overhead messages and the data messages as recited in independent claim 1. At best, Yeom merely describes providing priority to broadcast short message information and/or determining whether paging information and broadcast short message information are simultaneously received. As such, Yeom does not teach or suggest all the features of independent claim 1.

Yeom also does not teach or suggest all the features of independent claim 8 for at least similar reasons. That is, independent claim 8 recites determining whether a total length of overhead messages and data messages exceeds one slot, and transmitting overhead messages while delaying data messages to be transmitted by a predetermined period, if the total length of the overhead messages and the data messages exceeds one slot when the overhead messages are transmitted at a constant overhead message transmission period. Yeom does not teach or suggest these features.

Additionally, Yeom does not teach or suggest all the features of independent claims 14 and 18. For example, independent claim 14 recites determining if a length of overhead messages and data burst messages to be transmitted on a slot of a paging channel exceed one slot, transmitting the data burst message on a specific slot, and delaying the overhead message if the determined length exceeds one slot. Independent claim 14 further recites informing terminal units whether system information has changed in a corresponding sector or in an idle handoff

state based on a configuration change indicator (CCI) of a quick paging channel. Furthermore, independent claim 18 recites determining a length of overhead messages and data messages to be transmitted on a slot of a paging channel, transmitting the overhead messages during a first message transmission period, and delaying the data messages, based on the determined length, to a slot having a same number in a second overhead message transmission period. Additionally, independent claim 18 recites informing terminal units whether system information has been changed in a corresponding sector or in an idle handoff state using configuration change indicator (CCI) of a quick paging channel. For at least similar reasons as set forth above, Yeom does not teach or suggest these features of independent claims 14 and 18.

For at least the reasons set forth above, each of independent claims 1, 8, 14 and 18 define patentable subject matter. Claims 2-7 depend from claim 1, claims 9-13 depend from claim 8, claims 15-17 depend from claim 14 and claims 19-20 depend from claim 18 and therefore define patentable subject matter at least for this reason. In addition, the dependent claims also recite features that further and independently distinguish over the applied references. For example, dependent claim 2 and 3 relate to specific features regarding transmitting and delaying. See also dependent claims 15, 16, 19 and 20. The Office Action citations from Yeom (and Islam) do not teach or suggest these features. Accordingly, these dependent claims define patentable subject matter for at least these additional reasons.

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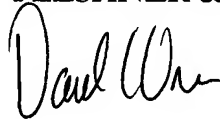
Reply to Office Action dated October 5, 2004

CONCLUSION

In view of the foregoing, it is respectfully submitted that the application is in condition for allowance. Favorable consideration and prompt allowance of claims 1-20 are earnestly solicited. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney, **David C. Oren**, at the telephone number listed below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

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